

Recombinant Human SLC3A2 Protein, His-tagged

Cat. No. SLC3A2-175H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SLC3A2 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	630
Description	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.
Form	Lyophilized
Molecular Mass	47.7 kDa
AA Sequence	MELQPPEASIAVVSIPRQLPGSHSEAGVQGLSAGDDSELGSHCVAQTGLELLASGD PLPSASQNAEMIETGSDCVTQAGLQLLASSDPPALASKNAEVTGTMSQDTEVDMKE VELNELEPEKQPMNAASGAAMSLAGA EKNLVKIKVAEDEAEAAAAAKFTGLSKEEL LKVAGSPGWVTRRWALLLLFWLWLGMLAGAVVIIVRAPRCRELPAQKWWHTGAL YRIGDLQAFQGHGAGNLAGLKGRLDYSSLKVKGLVLGPIHKNQKDDVAQTDLLQID PNFGSKEDFDSLLQSAKKKSIRVILDLTTPNYRGENSWFSTQVDTVATKVKDALEFWL

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QAGVDGFQVRDIENLKDASSFLAEWQNITKGFSEDRLLIAGTNSSDLQQILSLLESNK
 DLLLTSSYLSDSGSTGEHTKSLVTQYLNATGNRWCSWSLSQARLLTSFLPAQLRLRY
 QLMLFTLPGTPVFSYGDEIGLDAAALPGQPMEAPVMLWDESSFPDIPGAVSANMTV
 KGQSEDPGSLLSLFRRLSDQRSKERSLLHGDFHAFSAGPGLFSYIRHWDQNERFLV
 VLNFGDVGLSAGLQASDLPASASLPKADLLLSTQPGREEGSPLELERLKLEPHEGL
 LLRFPYAA

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name SLC3A2 solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 [Homo sapiens (human)]

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Official Symbol	SLC3A2
Synonyms	SLC3A2; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; MDU1; 4F2 cell-surface antigen heavy chain; 4F2; 4F2 cell surface antigen heavy chain; 4F2 heavy chain; 4F2HC; 4T2HC; antigen defined by monoclonal 4F2; antigen identified by monoclonal antibodies 4F2; TRA1.10; TROP4; and T43; CD98; CD98 heavy chain; CD98HC; heavy chain; lymphocyte activation antigen 4F2 large subunit; monoclonal 44D7; NACAE; antigen defined by monoclonal 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43;
Gene ID	6520
mRNA Refseq	NM_001012662
Protein Refseq	NP_001012680
MIM	158070
UniProt ID	P08195

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